**CONTRIBUTED PAPER SESSIONS**
8:00am-3:30pm unless otherwise noted in program

**Ready Room: Room 619**

**Morning**
Thermal ecology and physiology 1 – Salon D
Core reef biology – Salon E
Behavioral endocrinology – Room 400
Mechanisms underlying specialized behaviors 1 – Room 404
Evolutionary morphology 1 – Room 406
Using mathematical robotics to understand swimming – Room 417
Radiations and morphological diversity of fishes – Room 408
DV/MD/CC 5 min talks – Room 410
Behavioral ecology: temperature and climate – Room 416
Immunology – Room 416
Thermal ecology and physiology 2 – Salon D
Coral reef ecophysiology – Salon E
Comparative endocrinology 1 – Room 400
Mechanisms underlying specialized behaviors 2 – Room 404
Evolutionary morphology 2 – Room 406
Local adaptation – Room 408
Salination – Room 410
Behavioral ecology: movement and foraging – Room 412
Macroevolution and paleobiology – Room 416
Afternoon
DEE Hary competition – Salon D
Ocean Acidification and Intertidal Zone Biology – Salon F
DCE Gerbman competition – Room 400
Functional morphology – Room 404
Environmental effects of flight – Room 406
Comp. sess. to terrestrial locomotion symposium - Room 417
Locomotion and morphology – Room 408
Material properties: design and function – Room 418
Cooperation and group behavior – Room 412
Neurobiology - Room 416

**Keynote Lectures**
Saturday, January 4 – Day 2
Bartholomew Lecture: Dan Warner
7:30 – 8:00 pm, 4th Floor Ballroom, Salons A, B, C
Bern Lecture: Louise Hackett
7:30 pm – 8:00 pm, 4th Floor Ballroom, Salons A, B, C

**Sympoia**
8:00am-3:30 pm unless otherwise noted in program
S1: The cell’s view of animal body plan
Evolution: Deirdre Lyons, Manal Serwatka and Mark Martindale – Salon C
S2: Stress, condition and ornamentation
Organizer: Geoffrey Mill – Salon B
S1: Epigenetics: molecular mechanisms through organizational influences
Organizer: Warren Burggren – Salon A
Methods and mechanisms in ecnmobiology
Organizers: Cynthia Donoh, Jim Adelman, Greg Donah – Salon A
A new organismal systems biology: How animals walk the tightrope between stability and change
Organizers: Diana K. Padilla, Billie Swall, Tristan Mau – Salon C
Terrestrial locomotion: Where do we stand, where are we going?
Organizers: Richard Blob, Tim Higham – Salon B
Parasitic manipulation of host phenotype, or how to make a zombie
Organizers: Kelly Weinrich, Zen Faulkes – Salon B
Adaptation or developmental constraint? Uniting evolutionary theory and empirical studies
Organizer: Haruka Wada, Kendra Sewall – Salon C
The micro and macro factors of nutrient effects in animal physiology and ecology
Organizer: Robin Warne, Dan Hof - Salon B
Shaking, dripping and drinking; surface-tension phenomena in organismal biology
Organizers: David Hu, Rachel Levy, Lydia Bourouiba – Salon C

**Sunday, January 5 – Day 3**
Moore Lecture: Ross Nehm
4:30 pm- 5:00 pm, 4th Floor Ballroom, Salons A, B, C

**Concurrent Sessions**

**Morning**
Environmental change – Salon A
Environmental endocrinology – Salon A
Behavioral endocrinology: How animals walk the tightrope between stability and change – Room 416
Neurobiology: Sensory Systems II – Room 416
Evolutionary morphology 1 – Room 406
DCE Gorbman competition – Room 400
Chemical ecology – Room 404
Behavioral ecology: habitat – Room 406
Forc and flow – Room 408
Aquatic toxins – Room 417
Comp. sess.: The cell’s view of animal body plan evolution – Room 412
Muscle physiology I – Room 416
Sexual selection and mate choice – Room 415
Novel swimming mechanisms – Room 416
DCE PBC Best student paper competition 2 – Room 400
Cranial Evolution – Room 404
Parental care – Room 416
Scaling – Room 404
Conservation biology – Room 410
Comp. sess.: The cell’s view of animal body plan evolution – Room 410
Neurobiology: Sensory Systems II – Room 416
Muscle physiology II – Room 416
Nervous system development and evolution – Room 415
Sexual Selection - Post copulatory processes – Room 615
Microbes and symbiosis – Room 416
Comp. sess.: The cell’s view of animal body plan evolution – Room 416
Afternoon
Ventilation & gas exchange in organisms & burrows – Salon A
Comp. sess.: Honoring John Wingfield 1 – Salon D
Escape and evasive maneuvers in flight – Salaon E
Evolutionary physiology – Room 400
Cranial Evolution – Room 404
DAB Best Student paper competition – Room 406
Sensory and respiratory physiology 1 – Room 408
Human impacts – Room 410
Comp. sess.: The cell’s view of animal body plan evolution – Room 412
Neurobiology: Motor systems – Room 416
Complementary session: Stress, condition and ornamentation – Room 417
Muscle physiology III – Room 416

**Parasitic manipulation of host phenotype, or how to make a zombie**
Organizers: Kelly Weinrich, Zen Faulkes – Salon B
Adaptation or developmental constraint? Uniting evolutionary theory and empirical studies
Organizer: Haruka Wada, Kendra Sewall – Salon C
The micro and macro factors of nutrient effects in animal physiology and ecology
Organizer: Robin Warne, Dan Hof – Salon B
Shaking, dripping and drinking; surface-tension phenomena in organismal biology
Organizers: David Hu, Rachel Levy, Lydia Bourouiba – Salon C

**Morning**
Food and feeding mechanisms – Salon A
Thermal biology: characterizing the environment and change in organisms – Room 416
Comparative endocrinology 2 – Salon E
Wing design – Room 400
Community ecology – Room 404
Reproductive behavior – Room 406
Comp. sess.: Adaptation or developmental constraint? Uniting evolutionary theory and empirical studies – Room 408
Feeding physiology, aging and water and osmotic physiology – Room 416
Genomics of physiology and structure – Room 412
Locomotion and morphology – Room 416
Comp. session: Parasitic manipulation of host phenotype, or how to make a zombie – Room 417
Lociation in context – Salon A
Physiological Ecology – Salon D
Stress – Salon E
Biodiversity – Room 404
Signal evolution – Room 406
Genomics of genetics and specification – Room 412
Specialized gats – Room 416
Comp. sess.: Methods and mechanisms in ecnmobiology – Room 417
Shape Diversity – Room 400
Comp. sess.: Adaptation or developmental constraint? Uniting evolutionary theory and empirical studies – Room 408
Afternoon
IrrapEd locomotion – Salon A
Regulation of vertebrate development – Salon D
Biology- Room 404
Comp. sess.: Honoring John Wingfield 3 – Salon E
Novel analysis of animal flight – Room 400
Behavior: variation and plasticity – Room 406
Endocrinology of growth and development – Room 410
Evolutionary morphology and phylogenetics – Room 412
Comp. sess.: Methods and mechanisms in ecnmobiology – Room 417
Environmental toxicology – Room 416

**Monday, January 6 – Day 4**
Food and feeding mechanisms – Salon A
Thermal biology: characterizing the environment and change in organisms – Room 416
Comparative endocrinology 2 – Salon E
Wing design – Room 400
Community ecology – Room 404
Reproductive behavior – Room 406
Comp. sess.: Adaptation or developmental constraint? Uniting evolutionary theory and empirical studies – Room 408
Feeding physiology, aging and water and osmotic physiology – Room 416
Genomics of physiology and structure – Room 412
Locomotion and morphology – Room 416
Comp. session: Parasitic manipulation of host phenotype, or how to make a zombie – Room 417
Lociation in context – Salon A
Physiological Ecology – Salon D
Stress – Salon E
Biodiversity – Room 404
Signal evolution – Room 406
Genomics of genetics and specification – Room 412
Specialized gats – Room 416
Comp. sess.: Methods and mechanisms in ecnmobiology – Room 417
Shape Diversity – Room 400
Comp. sess.: Adaptation or developmental constraint? Uniting evolutionary theory and empirical studies – Room 408
Afternoon
**EVENTS/FUNCTIONS**

**POSTER SESSIONS**
- Grand Ballroom
  - Poster presenters must stand by their posters during scheduled times
  
  **SOCIETY/DIVISIONAL MEETINGS**

  **COMMITTEE/BOARD MEETINGS**

  **WORKSHOPS & PROGRAMS**

  **SOCIAL EVENTS**

  **REGISTRATION** - West Lounge